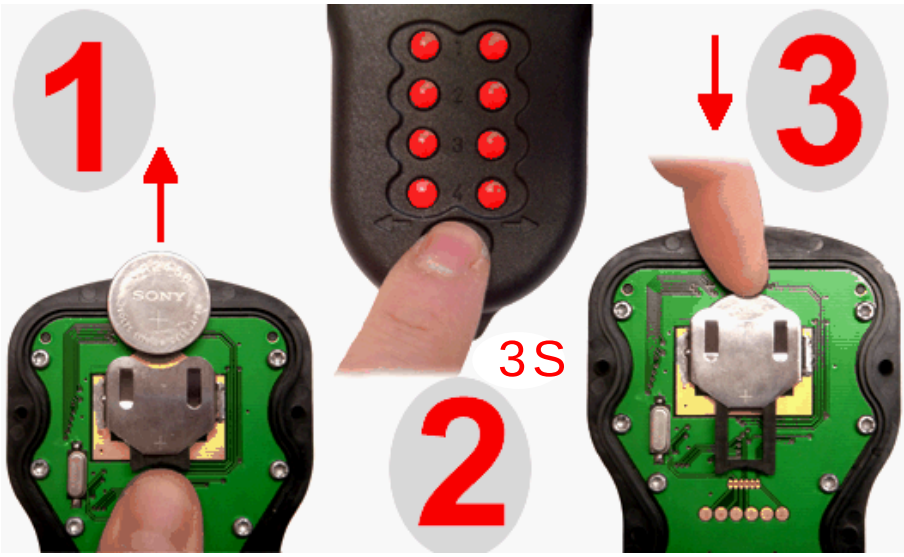
ALFANO®
CHRONOMETRIC SYSTEM

KRONOS A-191

(GB) Operating instructions

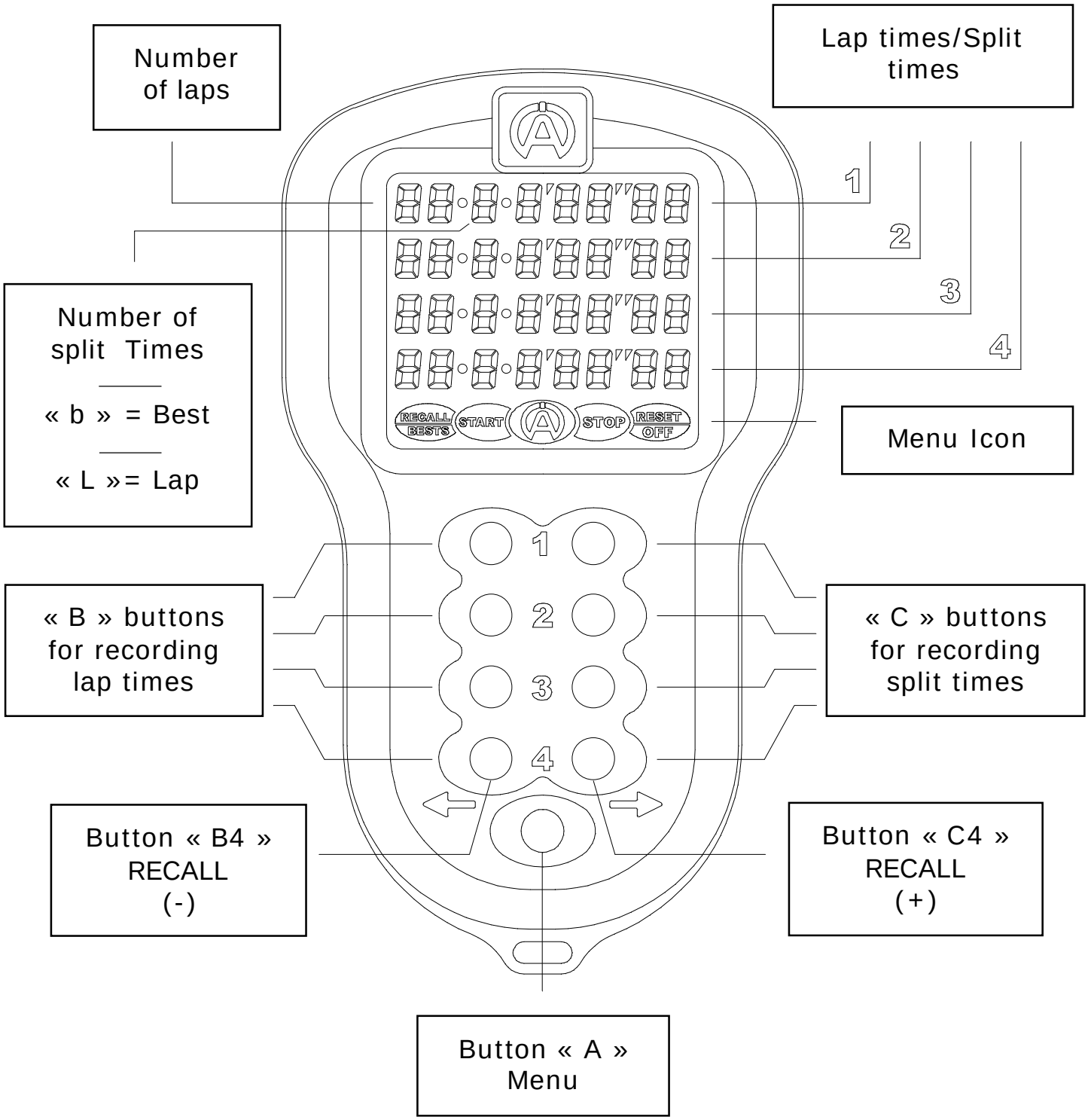
Operation to carry out when replacing the type CR2450 battery



Copyright © 2005 Alfano, S.A. Tous droits réservés.

ALFANO presents the KRONOS

This is the simplest and most functional stopwatch in the world! The KRONOS is the latest addition to a vast range of data acquisition products manufactured by the world leader in the field: ALFANO.



Copyright © 2005 Alfano, S.A. Tous droits réservés.

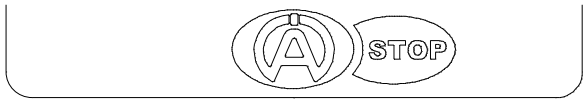
Introduction

KRONOS is a device with 4 individual stopwatches which are completely independent of each other. Each stopwatch can memorise 99 laps of 9’59"99 minutes with a maximum of 9 split times for each lap. Each stopwatch has 2 buttons: the left button records each lap time and the right button records the split times for each lap, making it very simple and easy to use. You will have no difficulty in timing up to 4 competitors without even looking at the stopwatch. The display is very clear and has excellent contrast, typical of all ALFANO systems. KRONOS is sturdily built and completely waterproof (IP56), and is thus suitable for all situations.

Operation Option 1

To switch on the KRONOS:

Press button « A » for 1 second. The system is activated and goes into « STOP »mode. The « START »icon flashes to tell you that the stopwatches are ready to start.

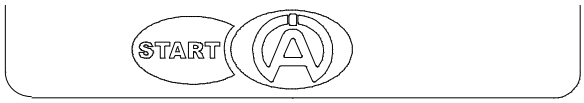


Note: you will find recorded information if this was not erased before the device was last switched off.

To start the stopwatches:

The KRONOS must be in the « STOP »position. Then press button

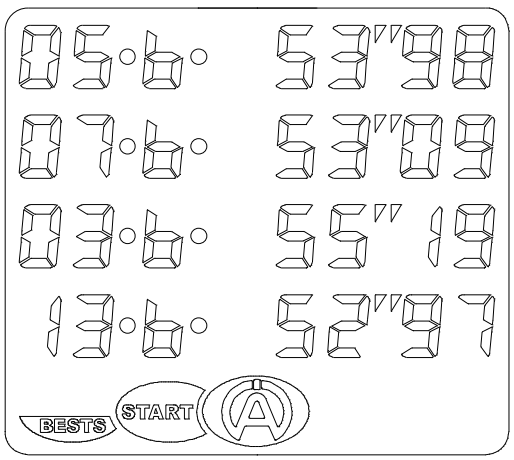
B1 to start stopwatch 1,
B2 to start stopwatch 2,
B3 to start stopwatch 3,
B4 to start stopwatch 4,



The « START »icon becomes steady and the « STOP »icon disappears to tell you that at least one stopwatch has started, and 2 dots appear for each stopwatch activated. Press button « B1..B4 », again, to record and display lap time no. 1. Repeat the action with the same button to record and display subsequent lap times.

Copyright © 2005 Alfano, S.A. Tous droits réservés.

To display the “BEST” lap time for each competitor during the timing :
During the timing, press button « A », KRONOS positions itself in « START-BEST » and then the last best lap « b » (BEST) will appear for each competitor for 2 seconds, before returning to the timing display. To return to the timing more quickly, press button « A » again before 2 seconds have elapsed.



To take split times :
Press button « C » while the stopwatch is in « START ». KRONOS displays the number of the split time between the 2 dots and the time for this split on the right.

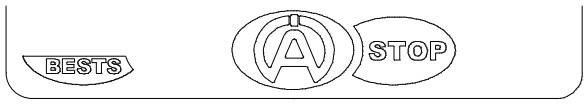
Note: you can record up to 9 split times for each lap. From the first split time to the penultimate split time (maximum 8), press button « C1..C4 ». To take the last split time and close the lap time, press button « B1..B4 »: KRONOS will display the number and the time of the last split time for 1.5 seconds and then the complete lap time.

To reset to zero during timing :
During the timing, if you want to stop and reset one of the stopwatches to zero – for example, to replace one competitor with another – all you have to do is press button « B1..B4 » or « C1..C4 » of the selected stopwatch for 1 second.

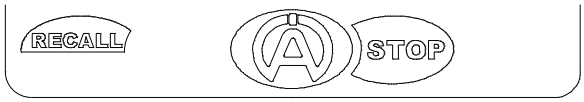
To stop all the stopwatches “STOP” :
Press button « A » for 1 second: the « STOP » icon becomes steady, the « START » icon begins to flash again and the dots disappear to indicate that the stopwatches have been stopped.

Copyright © 2005 Alfano, S.A. Tous droits réservés.

To display the best lap (BEST) for each stopwatch in « START » mode:
From « STOP », press button « A » once, and the KRONOS will position itself in « STOP-BEST ».



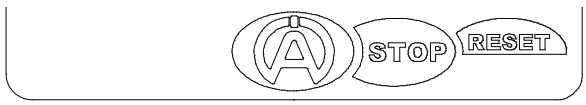
To view all the information memorised « RECALL »:
From « STOP », press button « A » twice, and the KRONOS will position itself in « STOP-RECALL ».



With button « B4 », you can go back in the memory and with button « C4 » you go forward in the memory for the four stopwatches at the same time.

- The time for each lap will be accompanied by the letter « L » (LAP) or the letter « b » (BEST) for the best.
- The times for each split will be accompanied by their respective number.

To set each stopwatch back to zero in "STOP" mode:
From « STOP », press button « A » 3 times, and the KRONOS will position itself in « STOP-RESET ».



Then press button « B1..B4 » or « C1..C4 » of the selected stopwatch for 1 second.

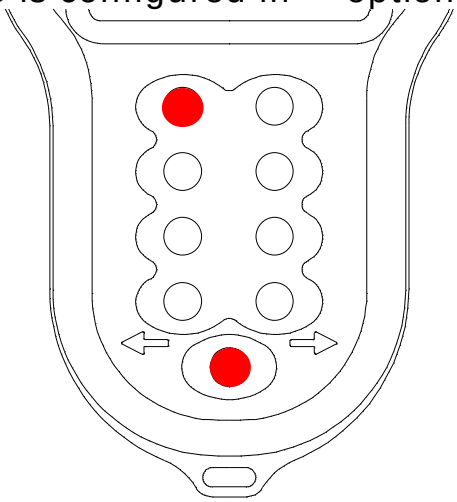
To switch off the KRONOS:
From « STOP », press button « A » 4 times, and the KRONOS will position itself in « STOP-OFF»; then wait for 5 seconds. Alternatively, the stopwatch switches off after 10 minutes of not being used.

Copyright © 2005 Alfano, S.A. Tous droits réservés.

Operation Option 2

During timing, it is possible to see the chronometric counters in movement. After the lap time is recorded, KRONOS displays the time of this lap for 16 seconds and then the stopwatch shows you the counter in movement for the following lap in Minutes and Seconds.
Note: as soon as the split times are recorded, the stopwatch will no longer display the counter in movement for that lap.

How to configure the KRONOS to switch from one option to the other « option 1 or option 2 »:
Kronos must be switched off, then press button « A » and button « B1 » simultaneously, the system is activated with the change of option.
Note: by default, KRONOS is configured in « option 1 ».



Replacing the battery: CR2450
Remove the cover of the KRONOS by unscrewing the 7 screws,

(1) And then release the battery by lifting up the black ejector,
(2) Press button « A » for 3 seconds,
(3) Insert the new battery, taking care to respect the polarity.

IMPORTING:
if you do not press button « A » for 3 seconds before inserting the new battery, the KRONOS may not switch on.

WARNING:
When replacing the cover, do not over-tighten the screws: stop tightening when the cover is flush against the housing. Any tightening of the screws beyond this point might damage the KRONOS and allow water and dust to enter.

Copyright © 2005 Alfano, S.A. Tous droits réservés.

Guarantee conditions

All our devices have been subjected to in -depth factory tests and are covered by a 24 - month guarantee against m anufacturing defects. The guarantee comes into force from the date of purchase. The date of purchase is the date indicated on the invoice/till receipt given by the seller at the moment of sale. The manufacturer undertakes to repair and replace free of char ge any parts which have a manufacturing defect during the guarantee period. Any defects which cannot be clearly attributed to the material or the manufacturer will be examined at one of our approved after sales service centres and invoiced depending on the results. The guarantee does not apply in cases of opening the device, of accidental damage, negligence or inappropriate usage, in cases of installation which is unsuitable, erroneous or does not comply with the instructions appearing in the notice and in cases of phenomena not associated with the rules for operation and use of the device. The guarantee is invalidated in cases of repair or handling carried out by unauthorised third parties. Intervention under guarantee does not give the right to replacement of the device or to extension of the guarantee. Intervention under guarantee is carried out at one of our approved after sales service centres or at our head office. In the latter case, the item must reach our establishment postage paid, in other words the transport costs are borne by the user. The manufacturer accepts no responsibility in case of damage to persons or goods caused by poor installation or incorrect usage of the device.

Modifications to products

Alfano SA applies a method of ongoing devel opment. Consequently, Alfano SA reserves the right to make changes and improvements to any product described in this document, without prior warning.

Damages and responsibilities

The products are used under the customer's sole direction and responsibili ty, and consequently the customer shall bear the damages that the products might suffer or cause. No compensation will be paid for removal of enjoyment, and ALFANO cannot be held responsible for the direct or indirect consequences of their use or rendering useless. ALFANO's obligations are duty of care and not a performance obligation.

Disposal

The device must be disposed of with respect for the environment.
The stopwatch and its accessories contain a lot of plastic parts.
When the stopwatch or one of i ts accessories no longer functions, they must be dealt with according to the laws of the country. Spent batteries must be disposed of in accordance with the regulations in force in your country.

Copyright © 2005 Alfano, S.A. Tous droits réservés.

ALFANO S.A.

Rue de l' Industrie, 3b – 1400 NIVELLES

www.alfano.com

Copyright © 2005 Alfano, S.A. Tous droits réservés.